

Title (en)

Methods for analyzing a sample in the presence of interferents

Title (de)

Verfahren zur Probenanalyse in Anwesenheit von interferierenden Substanzen

Title (fr)

Procédés pour analyser un échantillon en présence de substances interférentes

Publication

EP 1839571 B1 20170621 (EN)

Application

EP 07251411 A 20070330

Priority

US 27834106 A 20060331

Abstract (en)

[origin: EP1839571A1] Disclosed herein are methods and apparatus for determining analyte concentration in a rapid and accurate manner. The methods include depositing a physiological sample in an electrochemical cell and finding a first and second current transient. Peak current values are obtained from the first and second peak current values and used to reduce the influence of interferents in a current value. Based on this "corrected" current value, an accurate analyte concentration can be determined.

IPC 8 full level

A61B 5/00 (2006.01); **C12Q 1/00** (2006.01); **G01N 33/487** (2006.01)

CPC (source: EP US)

A61B 5/1486 (2013.01 - EP US); **C12Q 1/006** (2013.01 - EP US); **G01N 27/3274** (2013.01 - EP US)

Cited by

AU2013202716B2; AU2012200759B2; AU2011265585B2; AU2013202702B2; GB2531728A; RU2702132C1; AU2012201915B2; AU2012201914B2; AU2012201915C1; CN110462391A; EP3901624A1; CN102116752A; EP2360477A1; EP3182127A1; EP3349008A1; EP3349009A1; EP2138841A3; AU2011201224B2; EP2482069A1; EP2341342A3; EP2098857A3; AU2009200097B2; AU2011201199B2; EP2437056A1; KR101102265B1; US10151724B2; US8388821B2; US8460537B2; WO2008040998A3; US10359390B2; US9784707B2; US9927388B2; US10520460B2; US11280756B2; WO2012084194A1; US8101065B2; EP2098857A2; US8293096B2; US8815076B2; US9046480B2; US9739749B2

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